

TLG251, TLY251, TLO251, TLS251

RECTANGULAR, 11 × 5mm

FEATURES:

- Plastic Mold Type
 - TLG251 : Green Light Emission
 - TLY251 : Yellow Light Emission
 - TLO251 : Orange Light Emission
 - TLS251 : Red Light Emission
- Large-Sized Rectangular Type (Surface Size 11 × 5mm)
- Fast Response Time, Capable of Pulse Operation.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (Diode)	I_F /Diode	25	mA
Reverse Voltage	V_R	4	V
Power Dissipation (Diode)	P_D /Diode	70	mW
Operating Temperature Range	T_{opr}	-20 ~ 75	°C
Storage Temperature Range	T_{stg}	-30 ~ 100	°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT	
Forward Voltage	V_F	$I_F=25mA$	-	2.1	2.8	V	
Reverse Current	I_R	$V_R=4V$	TLG251	-	-	10	μA
			TLY251	-	-	-	
			TLO251	-	-	100	
			TLS251	-	-	-	
Luminous Intensity	I_V	$I_F=15mA$	TLG251	3.4	9.0	-	mcd
			TLY251	2.1	5.0	-	
			TLO251	-	-	-	
			TLS251	-	-	-	
Peak Emission Wave Length	λ_p	$I_F=15mA$	TLG251	-	565	-	nm
			TLY251	-	585	-	
			TLO251	-	610	-	
			TLS251	-	635	-	
Spectral Line Half Width	$\Delta\lambda$	$I_F=15mA$	TLG251	-	30	-	nm
			TLY251	-	30	-	
			TLO251	-	30	-	
			TLS251	-	40	-	

OUTLINE AND PIN CONNECTION

Unit in mm

